

Recovery Plan Action Status

Plan Name: Desert Pupfish (Cyprinodon macularius) Recovery Plan

Plan Status: Final

Plan Date: 08-Dec-93

Lead Agency: USFWS

Lead Office: Arizona Ecological Services Field Office

(1602)

242-0210)

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Desert pupfish (Cyprinodon macularius)	1	1.1	Identify ownership of natural habitats	Complete	Prior to FY 1995	Prior to FY 1995	U.S. Fish and Wildlife Service, Ecological Services Division, Arizona Department of Game and Fish, Centro Ecologico de Sonora, U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, Division of Realty, California Department of Fish and Game	Other	Labor type not yet selected	
Desert pupfish (Cyprinodon macularius)	1	1.2	Acquire natural habitats	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Ecological Services Division, Arizona Department of Game and Fish, Centro Ecologico de Sonora, U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, Division of Realty, U.S. Fish and Wildlife Service National Wildlife Refuge System, California Department of Fish and Game, The Nature Conservancy	Acquisition	Labor type not yet selected	Not including acquisition costs

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Desert pupfish (Cyprinodon macularius)	1	1.3	Secure natural populations and habitats	Ongoing Not Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Ecological Services Division, Arizona Department of Game and Fish, Centro Ecologico de Sonora, U.S. Bureau of Land Management, National Park Service, U.S. Fish and Wildlife Service, Law Enforcement Division, U.S. Fish and Wildlife Service National Wildlife Refuge System, California Department of Fish and Game	Acquisition	Labor type not yet selected	
Desert pupfish (Cyprinodon macularius)	2	2.0	Re-establish populations	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Ecological Services Division, Arizona Department of Game and Fish, U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, Fisheries, U.S. Fish and Wildlife Service National Wildlife Refuge System, The Nature Conservancy	Management: Reintroduction	Contract	several refuge and wild reestablishments attempted this FY in AZ.
Desert pupfish (Cyprinodon macularius)	2	3.0	Establish Quitobaquito refugia	Complete	FY 2005	FY 2009	U.S. Fish and Wildlife Service, Ecological Services Division, Arizona Department of Game and Fish, National Park Service	Work type not yet selected	Contract	2 ponds in US; 4 in Mexico
Desert pupfish (Cyprinodon macularius)	1	4.0	Genetic exchange protocol	Complete	Prior to FY 1995	FY 2009	U.S. Fish and Wildlife Service, Ecological Services Division, Arizona Department of Game and Fish, U.S. Fish and Wildlife Service, Fisheries, California Department of Fish and Game	Research: Taxonomic Studies	Contract	

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Desert pupfish (Cyprinodon macularius)	1	5.0	Monitor and maintain populations	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Ecological Services Division, Arizona Department of Game and Fish, U.S. Bureau of Land Management, National Park Service, U.S. Fish and Wildlife Service, Fisheries, U.S. Fish and Wildlife Service National Wildlife Refuge System, California Department of Fish and Game	Management: General, Management: Population Monitoring	Contract	monitoring continues in AZ, CA, and at Rio Sonoyta
Desert pupfish (Cyprinodon macularius)	2	6.1	Develop habitat criteria	Partially Complete	Prior to FY 1995		U.S. Fish and Wildlife Service, Ecological Services Division, Arizona Department of Game and Fish, Centro Ecologico de Sonora, U.S. Bureau of Land Management, National Park Service, U.S. Fish and Wildlife Service, Fisheries, U.S. Fish and Wildlife Service National Wildlife Refuge System, California Department of Fish and Game	Management: General	Internal Field Assistance	
Desert pupfish (Cyprinodon macularius)	2	6.2	Determine biological criteria	Partially Complete	Prior to FY 1995		U.S. Fish and Wildlife Service, Ecological Services Division, Arizona Department of Game and Fish, U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, Fisheries, California Department of Fish and Game	Management: General	Internal Field Assistance	

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Desert pupfish (Cyprinodon macularius)	3	6.3	Acquire life history information	Partially Complete	Prior to FY 1995		U.S. Fish and Wildlife Service, Ecological Services Division, Arizona Department of Game and Fish, U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, Fisheries, California Department of Fish and Game	Research: General	Labor type not yet selected	
Desert pupfish (Cyprinodon macularius)	3	7.0	Information and education	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Ecological Services Division, Arizona Department of Game and Fish, U.S. Bureau of Land Management, National Park Service, U.S. Fish and Wildlife Service, Fisheries, U.S. Fish and Wildlife Service, Public Affairs, U.S. Fish and Wildlife Service National Wildlife Refuge System, California Department of Fish and Game	Other: Information and Education	Contract	Made two presentations on results of 5-year review. TV interview with Tucson station on pupfish release at Audubon research Ranch.